

## ERK1/2 Ab

Cat.#: AF6240  
Size: 100ul, 200ul

Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 44+42kDa  
Clonality: Polyclonal

Application: WB 1:500-1:2000

Reactivity: Human, Mouse, Rat

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: ERK1/2 Ab detects endogenous levels of total ERK1/2.

Immunogen: A synthesized peptide derived from human ERK1/2.

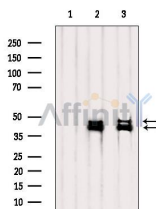
Uniprot: P27361/P28482

Description: p42 MAP kinase plays a critical role in the regulation of cell growth and differentiation. Activated by a wide variety of extracellular signals including growth and neurotrophic factors, cytokines, hormones and neurotransmitters.

Subcellular Location: Nucleus.

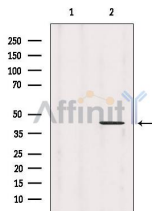
Similarity: The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases. Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis of extracts from various samples, using ERK1/2 Ab.

Lane 1: HeLa treated with blocking peptide;  
Lane 2: HeLa;  
Lane 3: 3T3.



Western blot analysis of extracts from HepG2, using ERK1/2 Ab. Lane 1 was treated with the blocking peptide.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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